

WHAT IS CLAIMED IS:

5

1. A digital image reading apparatus
comprising:

reading means for optically reading an image
of a document to output digital image data;

10 first setting means for setting a reading
rate in a given scanning direction to a desired
value;

an image memory for temporarily storing the
image data;

15 second setting means for setting parameters
related to reading the image of the document based on
communication with an external apparatus; and

computation means for computing a total
amount of the image data from the parameters,

20 wherein the first setting means sets the
reading rate based on the total amount of the image
data.

25

2. The apparatus as claimed in claim 1,
wherein the first setting means resets the reading
rate to a value higher than a value to which the
reading rate is set when the total amount of the
5 image data is smaller than a storage capacity of the
image memory.

10

3. The apparatus as claimed in claim 1,
further comprising transfer means for transferring
the image data from the image memory to the external
apparatus by communication means.

15

4. The apparatus as claimed in claim 3,
20 wherein IEEE 1394 is employed as the communication
means.

25

US 6122802 B1

5

15

20

25

an optical reader optically reading an image

of a document to output digital image data;

a memory temporarily storing the image data
from the optical reader; and

a controller computing a total amount of the
5 image data of the document and controlling a reading
rate in a given scanning direction on the basis of
the total amount of the image data stored in the
memory.

10

09781233 021304
T02T20 9928460